

WINMANIRAJA B

Cloud | DevOps Engineer

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 [Portfolio](#)

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EXECUTIVE SUMMARY

Dynamic Cloud & DevOps Engineer skilled in AWS, CI/CD, Docker, Kubernetes, Terraform, and Ansible. Experienced in deploying scalable cloud architectures and automating workflows to improve efficiency and reliability. Passionate about cloud automation, Infrastructure as Code (IaC), and continuous integration — driven to deliver secure, optimized, and innovative DevOps solutions.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, Lambda, VPC, Route 53, IAM, RDS, EKS CloudFront, CloudWatch, SNS, SES)

DevOps & Automation: Jenkins, Git, GitHub, Ansible, Terraform, CI/CD Automation, AWS CodeBuild, AWS CodePipeline

Containerization & Orchestration: Docker, Kubernetes (EKS)

Infrastructure as Code (IaC): Terraform, AWS CloudFormation

Scripting: Bash, Shell, Python

Databases: MySQL, DynamoDB

Operating Systems: Linux (Ubuntu, Amazon Linux), Windows Server

Core Competencies: Cloud Architecture, Deployment Automation, Infrastructure Optimization, Continuous Integration & Delivery, Version Control, Security & Networking.

CERTIFICATIONS & TRAINING

AWS DevOps Training – FITA Academy, Coimbatore | Completed: 2025

- Gained hands-on experience with AWS services (EC2, S3, IAM, VPC, and RDS), Jenkins, Terraform, Ansible.
- Implemented containerized applications using Docker and Kubernetes for scalable, reliable cloud environments.

INTERNSHIP

Full Stack Python Intern – Brainery Spot Technology, Coimbatore | June 2024

- Completed a full stack Python development Internship, gaining exposure to frontend, backend, and database integration.
- Worked on machine learning algorithms (XGBoost) to enhance model accuracy and predictive performance. And data handling and model implementation, contributing to real-world development.

PROJECTS

Three-Tier Travel Website on AWS

- Designed and deployed a three-tier architecture using EC2, RDS, and VPC for secure, scalable deployment
- Configured IAM and Security Groups for access control and system protection
- Implemented Elastic Load Balancer (ELB) and Auto Scaling to ensure high availability and fault tolerance
- Integrated AWS SES for automated email confirmations to improve user experience.

🔗 GitHub: <https://github.com/winu-git/3-tier-travel-website.git>

AI Chatbot with Disaster Recovery on AWS

- Built an AI-powered chatbot application with a disaster recovery architecture to ensure data reliability and business continuity
- Deployed VPC, EC2, and RDS across multiple AWS regions for high availability and resilience
- Configured CloudWatch for monitoring, S3 for backup storage and Route 53 for failover routing
- Achieved minimal downtime and rapid recovery automated failover and backup strategies.

🔗 GitHub: <https://github.com/winu-git/WinuAI-Bot.git>

ACADEMIC QUALIFICATIONS

Bachelor of Science (B.Sc.) in Information Technology

Dr. N.G.P. Arts and Science College, Coimbatore | 2022-2025

CGPA: 6.5

Higher Secondary Certificate (HSC)

Hindusthan Matriculation Higher Secondary School, Coimbatore | 2021-2022

CGPA: 8.9

Secondary School Leaving Certificate (SSLC)

SMT D. Padmavathi Ammal High School, Coimbatore | 2019-2020

CGPA: 7.1

JOURNAL PUBLICATIONS

“IOT – Based Air Pollution Monitoring and Forecasting System”

International Journal of Innovation Technology and Creative Engineering (IJITCE),

Vol. 27, No.09, pp. 1206 –1210, May 2024.

ISSN: 2045 – 8711.

“Rainfall Prediction System Using Machine Learning Algorithm”

International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE),

Vol. 13, issue 3, March 2025.

IJIREEICE.2025.13343.